

Notice of Allowability

Application No.

09/868,819

Examiner

J Bret Dennison

Applicant(s)

OLKKONEN ET AL.

Art Unit

2443

- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 2/11/2010.
2. ☒ The allowed claim(s) is/are 1, 4-10, 12-25, 27-29.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
a) ☐ All b) ☐ Some* c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
(a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
(b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
Identifying Indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO/SB/08),
Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application
6. ☒ Interview Summary (PTO-413),
Paper No./Mail Date 4/23/2010.
7. ☒ Examiner's Amendment/Comment
8. ☐ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____.

/J Bret Dennison/
Primary Examiner, Art Unit 2443

EXAMINER'S AMENDMENT

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Sanjeev Dhand on 4/23/2010.

The application has been amended as follows:

IN THE CLAIMS

Please amend the following claims:

1. A method, comprising:

transmitting data over a data transmission network from a first circuit switched transmission line through a first circuit switched network node towards a second circuit switched network node that is coupled to a second circuit switched transmission line;

employing, in the data transmission network, an IP protocol for transmissions from said first circuit switched network node, which receives data from said first circuit switched transmission line, towards said second circuit switched network node, said data being destined for transmission into said second circuit switched transmission line;

using an IP protocol datagram to transmit data received from the first circuit switched transmission line towards the second network node;

forming a header for said IP protocol datagram based at least partly on circuit

switched channel identifying parameters, which identify at least one channel in the second circuit switched transmission line, and an IP protocol address of the second network node; and

indicating within said IP protocol datagram separately for each of a plurality of time slots known to at least one of said first and second circuit switched network nodes, whether the IP protocol datagram carries data belonging to a channel corresponding to the time slot, ~~so that and~~ when it is indicated that the IP protocol datagram does not carry data belonging to **[[a]] the** channel, the second circuit switched network node **is allowed to receive enables the reception of** data to that channel from other sources from an IP-network in a non-consecutive manner.

10. A network element, comprising:

a first connection for connecting to a first circuit switched transmission line;

a second connection for connecting to a data transmission network employing an IP protocol, and

~~a storage medium embodying computer-executable instructions that, when executed on a~~ **hardware** processor **[[, are]]** configured to implement an IP protocol address generating unit for generating IP protocol addresses for IP protocol datagrams to be transmitted over said data transmission network to a second network element;

wherein said IP protocol address generating unit is configured to form a header of an IP protocol datagram based at least partly on circuit switched channel identifying parameters, which identify at least one channel in a second circuit switched

transmission line coupled to the second network element, and an IP protocol address of the second network element; and

wherein the network element is configured to indicate within said IP protocol datagram separately for each of a plurality of time slots known to at least one of said first and second network elements, whether the IP protocol datagram carries data belonging to a channel corresponding to the time slot, ~~so that~~ and when it is indicated that the IP protocol datagram does not carry data belonging to a channel, the second circuit switched packet network element ~~is allowed to receive~~ enables the reception of data to that channel from other sources from an IP-network in a non-consecutive manner.

16. The method according to claim 1, wherein said forming of a header for said IP protocol datagram is based at least partly on a time slot number that at least one of said first and second network nodes knows ~~associate~~ is associated with data which is transferred in the IP protocol datagram.

18. The network element according to claim 10, wherein the network element is configured to determine said IP protocol address based at least partly on a time slot number that at least one of said first and second network nodes knows ~~associate~~ is associated with data which is transferred in the IP protocol datagram.

28. A method, comprising:

receiving data over a data transmission network, said data coming from a first circuit switched transmission line through a first circuit switched network node, at a second circuit switched network node that is coupled to a second circuit switched transmission line;

employing, in the data transmission network, an IP protocol for transmissions from said first circuit switched network node to said second circuit switched network node, said data originating from said first circuit switched transmission line and being destined for transmission into said second circuit switched transmission line;

using an IP protocol datagram to receive data transmitted from the first circuit switched transmission line at the second network node;

reading a header from said IP protocol datagram, said header being based at least partly on circuit switched channel identifying parameters, which identify at least one channel in the second circuit switched transmission line, and an IP protocol address of the second network node; and

reading from said IP protocol datagram an indication separately for each of a plurality of time slots known to at least one of said first and second circuit switched network nodes, whether the IP protocol datagram carries data belonging to a channel corresponding to the time slot, ~~so that and~~ when it is indicated that the IP protocol datagram does not carry data belonging to **[[a]] the** channel, the second circuit switched network node ~~is allowed to receive~~ **enables the reception of** data to that channel from other sources from an IP-network in a nonconsecutive manner.

29. A second network element, comprising:

a first connection for connecting to a data transmission network employing an IP protocol,

a second connection for connecting to a second circuit switched transmission line, and

~~a storage medium embodying computer-executable instructions that, when executed on a~~ hardware processor ~~[[, are]]~~ configured to implement an IP protocol address reading unit for reading IP protocol addresses from IP protocol datagrams received over said data transmission network from a first network element;

wherein said IP protocol address reading unit is configured to read a header from an IP protocol datagram based at least partly on circuit switched channel identifying parameters, which identify at least one channel in the second circuit switched transmission line coupled to the second network element, and an IP protocol address of the second network element; and

wherein the network element is configured to read from said IP protocol datagram an indication separately for each of a plurality of time slots known to at least one of said first and second network elements, whether the IP protocol datagram carries data belonging to a channel corresponding to the time slot, ~~so that and~~ when it is indicated that the IP protocol datagram does not carry data belonging to a channel, the second circuit switched packet network element ~~is allowed to receive~~ enables the reception

of data to that channel from other sources from an IP-network in a non-consecutive manner.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to J Bret Dennison whose telephone number is (571)272-3910. The examiner can normally be reached on M-F 8:30am-5pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Tonia Dollinger can be reached on (571) 272-4170. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/J Bret Dennison/
Primary Examiner, Art Unit 2443